Declaration and Power of Attorney for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

	· · · · ·
下やの氏名の発明者として、私は以下の通り宣音します。	As a below named invontor, I hereby declare that:
私の住所、私費額、国籍は下記の私の氏名の役に記載され た通りです。	My residence, post office address and citizenship are as stated next to my name.
下記の名誉の発明に関して請求範囲に記載され、特許出版 している発明内容について、私が最初かつ域一の発明者(下 記の氏名が一つの場合)もしくは最初かつ共同発明者である と(下記の名称が複数の場合)信じています。	I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
· · · · · · · · · · · · · · · · · · ·	HYDROGEN GAS SENSOR
た記念明の明細音(下花の欄でx身がついていない場合は、 水当に抵付)は、	the specification of which is attached hereto unless the following box is checked:
□// 月に提出され、米田出職番号または特許協定条約 □ 国際出職番号をとし、 (以当する場合) に打下されました。	was filed on as United States Application Number or PCT International Application Number and was amended on (if applicable)
私は、特許的収証団を含む上記訂定役の明確音を検討し、 内容を理解していることをここに差明します。	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any unendment referred to above.
私は、途界規則法典第37編第1条86項に定義されると おり、特許資格の有無について重要な情報を展示する経済が あることを認めます。	I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Endered Parallations, 8, 1,56

Japanese Language Declaration

日本語宜音4

私は、米河法央第35年119条(a)~(d)項又は365条 (b) 似に悪き下記の、 米 国以外の国の少なくとも一ヵ国を指 近している特許協力条約 3 6 5 (a) 域に基ずく国際出劇。又 は外国での仲許出当もしくは発明者征の出当についての外国 **ビ先権をここにも受するとともに、歴先権を主張している。** 本出版の前に出版された特許または発明者証の外開出観を以 下に、枠内をマークすることで、示しています。

I hereby claim foreign priority under Title 35, United States Code, § 119(a)-(d) or § 365 (b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

		•	
Prior foreign application(s) 外国での先行出版			Priority Not Claimed 磁先権引張なし
**** 33 222 600	*	24/November/1999	
Hei. 11-333422 (Number) (重步).	Japan (Country) (阿名)	(Day/Month/Year Filed) (田賦年月日)	
	•		G
2000-307375	(Country)	(Day/Month/Year Filed)	· L
(Number) (基号)	(阿名)	(田蔵名月日)	
• .			
(Number) (番号)	(Country) (知名)	(Day/Mondi/Year Filed) (出數年月日)	
ちま、第35紀米国党 国特許出版規念に記載さ	:典119条 (e) 引に基いて下記の米 れた権利をここに立張いたします。	I hereby claim the benefit under 119(e) of my United States p below.	Title 35, United States Code, § provisional application(s) listed
(Application No.)	(Filing Doce)	(Application No.)	(Filing Dots)
(州東学)	(HME)	(田顧聖母)	(出版日)
国特許山東に記載された 協力条約365条(a) た、木出版の各務求範囲 第1項又は特許協力条約 許出額に展示されている 以降で本出数否の日本国 での期限中に入予された	連集35期120条に基いて下記の米標料、又は米国を指定している特許等性がく権利をことに主張します。またの内容が米国法典第35월112条件で規定された方法で先行する米国等に収取。の先行米国出版が提出日本の先行米国出版。建邦坦即法典第37월1条56項の付無に関する重要な情報について開発しています。	120 of any United States application design below and, insofar as the subject this application is not disclosed international application in the paragraph of Thie 35, United State duty to disclose information as defined in Title 37, Code which became available between	t matter of each of the claims of a the prior United States or PCT
(Application No.) (出類番号)	(Filing Date) (HL順日)	(Sums)(pulented, pending, aband (現況: 特許許可待、保護中。	doned) 放棄的
(Application No.) (州版香号)	(Filing Date) (田田日)	(Status)(patented, pending, aban (現況: 特許許可答。 係是中。	
型は、取自身の知識に 明が異実であり、かつ! に至ずく表明が全て真! 意になされた虚偽の表! 18編第1001条に の両方により処罰され	と基ずいて本意言音中で私が行なう表 私の入平した情報と私の付じるところ 我であると付じていること、さらに故 男及びそれと対等の行為は米国法典第 生ずき、罰全または樹葉。もしくはそ ること、そしてそのような放献による 、比頼した、又は既に許可された幹許	I hereby declare that all states knowledge are true and that all and belief are believed to be snamment were made with the statements and the like so maintenances and the like so maintenances. I belief States Code and that su	ments made herein of my own statements made en information to true; and further that these to knowledge that willful false sale are punishable by fine or section 1001 of Title 18 of the ch willful false statements may upplication or any patent issued

明が真実であり、かつ私の入平した情報と私の付じるところ に基ずく安明が全て真実であると付じていること、さらに位 总になされた遺偽の表明及びそれと同等の行為は米国法典第 18編第1001条に基ずき、罰金または樹葉。もしくはそ の両方により処罰されること、そしてそのような故意による 虚偽の声明を行なえば、出願した。又は既に許可された特許 の有効性が失われることを認識し、よってここに上記のごと く宣誓を致します。

Japanese Language Declaration 日本語宣言

委任状: 私は下記の美明者として、本州順に関する一切の 平統者を米特許高編局に対して遂行する弁理士または代理人 として、下記の者を指名いたします。 (弁護士、または代理 人の氏名及び登録者号を明記のこと) POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Parent and Tradetonk Office connected therewith: (list name and registration number)

John H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Clexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,861; Louis Gubinsky, Reg. No. 24,835; Nell B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 25,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Beland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Briam W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,276; Bruce H. Kramer, Reg. No. 33,725; Paul F. Nells. Rog. No. 33,102; Brett S. Sylvester, Reg. No. 32,765; Robert M. Masters, Reg. No. 35,603, George F. Lehnigk, Reg. No. 36,359, John T. Callaham, Reg. No. 32,607 and Steven M. Gruskin, Reg. No. 36,818.

安東送付先
Send Correspondence to:
SUGHRUB, MICN, ZINN, MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenne, N.W. Suite 800
Washington, D.C. 20037-3213
直接電話連絡先: (名前及び電話番号)
Direct Telephone Calls to: (202) 663-7460
(202)293-7060

Full name of sole or first inventor 他一宝たは第一発明者名 Noribiko NADANAMI Inventor's signaturo Northiko Nadonami Date 発明者の著名 mm 16.200 任所 Residenco Aichl, Japan Sitzenship Tapan 的學典 Post Office Address c/o NGK SPARK PLUG CO., LTD., 14-18 Takassaji-cho Mizuho-ku, Nagoya, Aichi, Japan 第二类问题引心 Pall pame of second joint inventor, if any Norobu ISHIDA 第二共同発明者 日付 Second inventor's signature Moloone Dalud 住所 Residence Gifu, Japan 四番 Citizenship apan 北事祭 Post Office Address c/o NGK SPARK PLUG CO., LTD., 14-18 Takaisuji-cho, Mizuho-ku, Nagoya, Aichi, Japan

(第三以降の地向発引者についても興味に記載し、番名をすること)

(Supply similar information and signature for third—and subsequent joint inventors.)

Japanese Language Declaration 日本語宣言

第三の英国報明者の成名(政当する場合)	Full name of third joint inventor, if any Takafurni OSHIMA
四部三発明者の第五 日付	Third inventor's signature Nov. 16, Zoo
世 病	Residence Aicti, Japan
	Citizenship Japan
軍団の兄先	Post office address c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan
第四の共国発明者の長名(政当する場合)	Full name of fourth joint inventor, if any Ryaji INOUE
国際協議制書の書名 目付 住所	Fourth inventor's signature Date Ryselv Anous Nov. 16, 2000
	Residence Gifu, Japan
可能の耐光	Citizenship Japan
	Post office address c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan
第三の武岡宛明者の氏名(武戦十る場合)	
資票互発制者の習る 日付	Full name of fifth Joint inventor, if any Tomonori KONDO
住 版	Fifth inventor's signature Date Tomopou Kondo Nov. 16,2000
五樓	Residence Aichi, Japan
単位の宛先	Cirlzenship Japan
	Post office address c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsuji-cho, Mizuho-ku, Nagoya, Akchi, Japan
第大の武商芸明者の氏名(政省する場合)	
関第六統領者の写名 目 付	Full name of sixth Joint inventor, if any
生好	Sixth inventor's signature Date
文 特	Residence
単便の覚免	Citizenship
	Post office address

Declaration and Power of Attorney for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宜言書

下での氏名の発明者として、私は以下の通り宣言します。	As a below named inventor, I hereby declare that:
私の住所、私費箱、国籍は下記の私の氏名の後に記載された通りです。	My residence, post office address and citizenship are as stated next to my name.
下記の名称の発明に関して請求範囲に記載され、特許出題している発明内容について、私が最初かつ唯一の発明者(下記の氏名が一つの場合)もしくは最初かつ共同発明者であると(下記の名称が複数の場合)信じています。	I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
•	HYDROGEN GAS SENSOR
· · · · · · · · · · · · · · · · · · ·	
上記発明の明細書 (下記の欄でx印がついていない場合は、 本書に添付) は、	the specification of which is attached hereto unless the following box is checked:
□月_日に提出され、米国出題番号または特許協定条約国際出頭番号をとし、(該当する場合) に訂正されました。	was filed on November 21, 2000 as United States Application Number or PCT International Application Number 09/716,225 and was amended on (if applicable)
私は、特許請求範囲を含む上記訂正後の明細書を検討し、 内容を理解していることをここに表明します。	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.
私は、連邦規則法典第37編第1条56項に定義されるとおり、特許資格の有無について重要な情報を開示する義務があることを認めます。	I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

Japanese Language Declaration

日本語宣言!

私は、米国法典第35編119条(a)-(d) 項又は365条(b) 項に基き下記の、米国以外の国の少なくとも一ヵ国を指定している特許協力条約365(a) 項に基ずく国際出職、又は外国での特許出願もしくは発明者証の出願についての外国優先権をここに主張するとともに、優先権を主張している。本出願の前に出願された特許または発明者証の外国出願を以下に、枠内をマークすることで、示しています。

I hereby claim foreign priority under Title 35, United States Code, § 119(a)-(d) or § 365 (b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior foreign application(s) 外国での先行出載		Priority Not Claimed 優先権主張なし	
Hei. 11-333422	Japan	24/November/1999	
(Number) (套号)	(Country) (国名)	(Day/Month/Year Filed) (出數年月日)	
2000-307375	Japan	6/October/2000	
(Number) (番号)	(Country) (国名)	(Day/Month/Year Filed) (出版年月日)	
(Number) (番号)	(Country) (国名)	(Day/Month/Year Filed) (出版年月日)	•
	典119条 (e) 項に基いて下記の米 れた権利をここに主張いたします。	I hereby claim the benefit ur 119(e) of any United State below.	der Title 35, United States Code, § es provisional application(s) listed
(Application No.) (出顧番号)	(Filing Date) (出題日)	(Application No.) (出顧番号)	(Filing Date) (出顧日)
国特許出版に記載された 協力条約365条(c) に た、本出版の各請求範囲 第1項又は特許協力条約 許出版に開示されていな 以降で本出版書の日本国 での期間中に入手された	集第35編120条に基いて下記の米権利、又は米国を指定している特許と基づく権利をここに主張します。ま 間の内容が米国法典第35編112条 で規定された方法で先行する米国特に、限り、その先行米国出版香提出日 間内または特許協力条約国際提出日また、連邦規則法典第37編1条56項の有無に関する重要な情報について開	120 of any United States app International application de below and, insofar as the sub this application is not disclos International application in paragraph of Title 35, United the duty to disclose informati as defined in Title 37, Coo which became available be	ader Title 35, United States Code, § plication(s), or § 365(c) of any PCT signating the United States, listed pject matter of each of the claims of ed in the prior United States or PCT the manner provided by the first I States Code, § 112, I acknowledge on which is material to patentability de of Federal Regulations, § 1.56 tween the filing date of the prior or PCT International filing date of
(Application No.) (出顧器号)	(Filing Date) (出顧日)	(Status)(patented, pending, a (現況: 特許許可済、保異	
(Application No.) (出順番号)	(Filing Date) (出版日)	(Status)(patented, pending, a (現況: 特許許可済、保展	
私は、私自身の知識に基ずいて本宣言書中で私が行なう表		I hereby declare that all st	atements made herein of my own

私は、私目身の知識に基すいて不直言香中で私が行なう表明が真実であり、かつ私の入手した情報と私の信じるところに基ずく表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18福第1001条に基ずき、罰金または拘禁、もじくはその両方により処罰されること、そしてそのような故意による虚偽の声明を行なえば、出頭した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を殺します。

and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Japanese Language Declaration 日本語宣言

委任状: 私は下記の発明者として、本出顧に関する一切の 手続きを米特許商標局に対して遂行する弁理士または代理人 として、下記の者を指名いたします。(弁護士、または代理 人の氏名及び登録番号を明記のこと)。 POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: (list name and registration number)

John H. Mion, Reg. No. 18,879; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,861; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Brian W. Hannon, Reg. No. 32,778; Abraham J. Rosner, Reg. No. 33,276; Bruce E. Kramer, Reg. No. 33,725; Paul F. Neils, Reg. No. 33,102; Brett S. Sylvester, Reg. No. 32,765; Robert M. Masters, Reg. No. 35,603, George F. Lehnigk, Reg. No. 36,359, John T. Callahan, Reg. No. 32,607, Steven M. Gruskin, Reg. No. 36,818, Peter A. McKenna, Reg. No. 38,551 and Edward F. Kenehan, Reg. No. 28,962.

香類送付先	Send Correspondence to: SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC 2100 Pennsylvania Avenue, N.W. Suite 800 Washington, D.C. 20037-3213
直接電話連絡先: (名前及び電話番号)	Direct Telephone Calls to:
·	(202)293-7060

唯一または第一発明者名	Full name of sole or first inventor Norihiko NADANAMI
発明者の署名 日付 、	Inventor's signature Date
住所	Residence Aichi, Japan
闰	Citizenship Japan
私 古符	Post Office Address c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan
第二共同発明者	Full name of second joint inventor, if any Noboru ISHIDA
第二共同発明者 日付 住所	Second inventor's signature Date Notron School Aug. 8 2001 Residence Gifu, Japan
国籍 私書籍	Citizenship Japan
· 化 實 不料	Post Office Address c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan

(第三以降の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for third and subsequent joint inventors.)

Japanese Language Declaration

日本語宜言

	Full name of third joint inventor, if any Takafumi OSHIMA	
日付	Third inventor's signature	Date
	Residence Aichi, Japan	·
	Citizenship Japan	·
	Post office address c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsu Mizuho-ku, Nagoya, Aichi, Japan	ji-cho,
	Full name of fourth joint inventor, if any	
日付		Dete
		Date
	Residence Gifu, Japan	
	Citizenship Japan	
	Post office address c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsuj Mizuho-ku, Nagoya, Aichi, Japan	ji-cho,
日付	Full name of fifth joint inventor, if any Tomonori KONDO	
	Fifth inventor's signature	Date
	Residence Aichi, Japan	
	Citizenship Japan	
	Post office address c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsuj Mizuho-ku, Nagoya, Aichi, Japan	ji-cho,
	*	,
日付	Full name of sixth joint inventor, if any	
_	Sixth inventor's signature	Date
	Residence	
	Citizenship	
į į	•	
	日付	Takafumi OSHIMA Third inventor's signature Residence Aichi, Japan Citizenship Japan Post office address c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsu Mizuho-ku, Nagoya, Aichi, Japan Full name of fourth joint inventor, if any Ryuji INOUE Fourth inventor's signature Residence Gifu, Japan Citizenship Japan Post office address c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsu Mizuho-ku, Nagoya, Aichi, Japan Full name of fifth joint inventor, if any Tomonori KONDO Fifth inventor's signature Residence Aichi, Japan Citizenship Japan Post office address c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsu Mizuho-ku, Nagoya, Aichi, Japan Full name of sixth joint inventor, if any Sixth inventor's signature Residence Residence Residence Residence

Assignment

Whereas, I/We, Norihiko NADANAMI, Norobu ISHIDA, Takafumi OSHIMA, Ryuji INOUE and Tomonori KONDO, c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan, respectively, hereinafter called assignor(s), have invented certain improvements in HYDROGEN GAS SENSOR and executed an application for Letters Patent of the United States of America therefor on; and Whereas, NGK SPARK PLUG CO., LTD., 14-18, Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor; Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, I/We, the above named assigner(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee. I/We hereby authorize and request our attorneys SUGHRUE, MION, ZINN, MACPEAK
Aichi, Japan (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor: Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.
I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.
assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.
& SEAS, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3212 to insert here in parentheses (Application number
the filing date and application number of said application when known.
Date: Nov 16, 2000 Norihiko Madanami
s/Noribiko NADANAMI
Date: Nov. 16. 2000 Nobor Oshida
Date: Mar. 16.2000 Jakofyni Oshima
Date: Mov. 16.200 Johnson Oshima s/Takafuni OSHIMA Date: 44.44 2000 Proposition Oshima
Date: Nov. 16, 2000 Rynji Dnoue s/Rynji INOUE
Date: Nov. 16, 2000 Ryuji Snoue s/Ryuji INOUE

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) 8/92

Assignment

Whereas, I/We, Norihiko NADANAMI, Noboru ISHIDA, Takafumi OSHIMA,
Ryuji INOUE, and Tomonori KONDO, c/o NGK SPARK PLUG CO., LTD., 14-18 Takatsuji-
cho, Mizuho-ku, Nagoya, Aichi, Japan, respectively, hereinafter called assignor(s), have
invented certain improvements in HYDROGEN GAS SENSOR and executed an application for
Letters Patent of the United States of America therefor in Application number 09/716,225, on
; and

Whereas, NGK SPARK PLUG CO., LTD., 14-18 Takatsuji-cho, Mizuho-ku, Nagoya, Aichi, Japan (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

Date:		
	s/Norihiko NADANAMI	-
Date:	Aug. 8, 2001 Nobom Ashida	
	s/Noboru ISHIDA	
Date:		
	s/Takafumi OSHIMA	
Date:		
	s/Ryuji INOUE	
Date:		
	s/Tomonori KONDO	
Date:		
	0/	

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) 8/92